

## Water-Data Report 2008

**410610074344801 Local number 370476- MW130**

 Sand and gravel aquifers (glaciated regions)  
 Stratified Drift

Sussex County, NJ

LOCATION.--Lat 41°06'10.4", long 74°34'48.4" referenced to North American Datum of 1983, Franklin Borough, Sussex County, NJ, Hydrologic Unit 02020007.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 27.5 ft. Upper casing diameter 2 in; top of first opening 17.5 ft, bottom of last opening 27.5 ft.

DATUM.--Land-surface datum is 573 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 2. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, Barometric pressure, 90+/-30 det ang	Disolved oxygen, percent of saturation	pH, water, unfiltrd field, std units	Specific conductance, µS/cm	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium water, mg/L			
	LSD (72019)	(00059)	Flow gal/min	Flow period prior to sampling, minutes	Baro- metric pres- sure, mm Hg	Dis- solved oxygen, mg/L	Dis- solved oxygen, mg/L	25 degC (00095)	(00010)	(00900)			
Jul 22...	1225	5.17	.25	65	1.7	742	1.9	18	7.6	1,160	12.8	300	71.1

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3	Alkalinity, wat unf infl tit field, titr., mg/L as CaCO3	Bicarbonate, wat flt infl tit field, titr., mg/L as CaCO3	Chloride, wat infl tit field, titr., mg/L as CaCO3	Fluoride, water, fltrd, mg/L	Silica, water, fltrd, mg/L as SiO2	Sulfate, water, fltrd, mg/L as (00955)	Residue water, fltrd, sum of constituents, mg/L (70301)	Residue water, evap. at 180degC wat flt, mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Jul 22...	28.9	1.58	114	197	188	229	240	E.07	12.9	15.0	E601	654	<.14

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Ammonia water, filtd, mg/L as N (00608)	Nitrate + nitrite water, filtd, mg/L as N (00631)	Nitrite water, filtd, mg/L as N (00613)	Ortho-phosphate, water, filtd, mg/L as P (00671)	Organic carbon, water, filtd, mg/L (00681)	Alum- inum, water, filtd, µg/L (01106)	Anti-mony, water, filtd, µg/L (01095)	Arsenic water, filtd, µg/L (01000)	Barium, water, filtd, µg/L (01005)	Beryll- ium, water, filtd, µg/L (01010)	Boron, water, filtd, µg/L (01020)	Cadmium, water, filtd, µg/L (01025)	Chrom- ium, water, filtd, µg/L (01030)
Jul 22...	<.020	.83	<.002	.015	.4	E1.2	<.14	.64	44	<.01	9	<.04	.89

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Copper, water, filtd, µg/L (01040)	Iron, water, filtd, µg/L (01046)	Lead, water, filtd, µg/L (01049)	Manganese, water, filtd, µg/L (01056)	Mercury, water, filtd, µg/L (71890)	Nickel, water, filtd, µg/L (01065)	Selenium, water, filtd, µg/L (01145)	Silver, water, filtd, µg/L (01075)	Thallium, water, filtd, µg/L (01057)	Zinc, water, filtd, µg/L (01090)	1-Naphthol, water, filtd, µg/L (49295)	2,6-Diethyl-aniline, water, filtd, µg/L (82660)	2-Chloro-acetanilide, water, µg/L (61618)
Jul 22...	<1.0	8	<.08	5.8	<.010	.74	.39	<.1	<.04	E1.2	<.04	<.006	<.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	2-Ethyl -6-methyl CIAT, water, filtd, µg/L (04040)	3,4-Di-chloro-aniline, water, filtd, µg/L (61620)	3,5-Di-chloro-aniline, water, filtd, µg/L (61625)	4-Chloro-2methyl phenol, water, filtd, µg/L (61627)	Aceto-chlor, water, filtd, µg/L (61633)	Alpha-Endochlor, water, filtd, µg/L (49260)	Ala-chlor, water, filtd, µg/L (46342)	Endo-sulfan, water, filtd, µg/L (34362)	Atrazine, water, filtd, µg/L (39632)	Axon, water, filtd, µg/L (61635)	Azinophosphomethyl, water, filtd, µg/L (82686)	Azinophosphomethyl, water, filtd, µg/L (82673)	Benzofuran, water, filtd, µg/L (82680)
Jul 22...	<.014	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.04	<.120	<.010	<.060

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 6 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Carbo-furan, water, fltrd 0.7u GF	Chlor-pyrifos oxon, water, fltrd fltrd, μg/L (82674)	Chlor-pyrifos water, water, fltrd, fltrd, μg/L (61636)	cis-Per-methrin water 0.7u GF μg/L (82687)	cis-Propi-conazole, water, water, fltrd, μg/L (79846)	Cyana-zine, water, water, fltrd, μg/L (04041)	Cyflu-thrin, water, water, fltrd, μg/L (61585)	lambda-Cyhalothrin, water, water, fltrd, μg/L (61595)	Cyper-methrin water, water, fltrd, μg/L (61586)	DCPA, water, fltrd 0.7u GF μg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62170)	Diazi-non, water, fltrd, μg/L (39572)	Dicrotophos, water, fltrd, μg/L (38454)
Jul 22...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 7 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Diel-drin, water, fltrd, 0.7u GF μg/L (39381)	Dimeth-oate, water, fltrd 0.7u GF μg/L (82662)	Disulf-ton sulfone fltrd, μg/L (61640)	Disulf-foton, water, fltrd 0.7u GF μg/L (82677)	Endo-sulfan water, fltrd, μg/L (61590)	EPTC, water, fltrd 0.7u GF μg/L (82668)	Ethion monoxon water, fltrd, μg/L (61644)	Ethion, water, fltrd, μg/L (82346)	Etho-prop, water, fltrd 0.7u GF μg/L (82672)	Fenami-phos sulfone water, fltrd, μg/L (61645)	Fenami-phos sulf-oxide, water, fltrd, μg/L (61646)	Fenami-phos, water, fltrd, μg/L (61591)	Desulf-inyl-fipro-nil water, amide, wat flt μg/L (62169)
Jul 22...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Fipro-nil sulfide water, fltrd, μg/L (62167)	Fipro-nil sulfone water, fltrd, μg/L (62168)	Fipro-nil water, fltrd, μg/L (62166)	Fonofos water, fltrd, μg/L (04095)	Hexa-zinone, water, fltrd, μg/L (04025)	Ipro-dione, water, fltrd, μg/L (61593)	Isofen-phos water, fltrd, μg/L (61594)	Mala-oxon, water, fltrd, μg/L (61652)	Mala-thion, water, fltrd, μg/L (39532)	Metaxyl, water, fltrd, μg/L (61596)	Methid-athion, water, fltrd, μg/L (61598)	Methyl-paraoxon, water, fltrd, μg/L (61664)	Methyl-parathion, water, fltrd, 0.7u GF μg/L (82667)
Jul 22...	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Metola-	Metri-	Moli-	Oxy-	Pendi-	meth-	alin,	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-
	chlor,	buzin,	nate, water,	Myclo-	fluor-									
Jul 22...	Metola-chlor, water, filtrd, 0.7u GF µg/L (39415)	Metri-buzin, water, filtrd, 0.7u GF µg/L (82630)	Moli-nate, water, 0.7u GF µg/L (82671)	Myclo-butanol, water, filtrd, 0.7u GF µg/L (61599)	Oxy-fluor-fen, water, filtrd, 0.7u GF µg/L (61600)	Pendi-meth-alin, water, 0.7u GF µg/L (82683)	Phorate oxon, water, filtrd, 0.7u GF µg/L (61666)	Phorate oxon, water, filtrd, 0.7u GF µg/L (82664)	Phosmet water, filtrd, 0.7u GF µg/L (61668)	Phosmet water, filtrd, 0.7u GF µg/L (61601)	Prometon, water, filtrd, 0.7u GF µg/L (04037)	Prometryn, water, filtrd, 0.7u GF µg/L (04036)	Propyzamide, water, filtrd, 0.7u GF µg/L (82676)	

Jul 22...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004
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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Pro-	Propar-	Tebu-	Ter-	trans-	Tri-	1,1,1-						
	panil, water, filtrd, 0.7u GF µg/L (82679)	gite, water, 0.7u GF µg/L (82685)	Sima-zine, water, filtrd, 0.7u GF µg/L (04035)	thiuron, water, filtrd, 0.7u GF µg/L (82670)	bufosulfone, water, filtrd, 0.7u GF µg/L (61606)	terbu-oxon, water, filtrd, 0.7u GF µg/L (61674)	terbutyl-fos, water, filtrd, 0.7u GF µg/L (82675)	thio-bencarbazine, water, filtrd, 0.7u GF µg/L (04022)	Propiconazole, water, filtrd, 0.7u GF µg/L (82681)	Tribut-phos, water, filtrd, 0.7u GF µg/L (79847)	flur-alin, water, filtrd, 0.7u GF µg/L (61610)	Tri-chloro-ethane, water, unfltrd, 0.7u GF µg/L (82661)	chloro-ethane, water, unfltrd, 0.7u GF µg/L (34506)
Jul 22...	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 11 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	CFC-113	1,1-Di-chloro-ethane, water, unfltrd, 0.7u GF µg/L (77652)	1,1-Di-chloro-ethene, water, unfltrd, 0.7u GF µg/L (34496)	1,2-Di-chloro-benzene, water, unfltrd, 0.7u GF µg/L (34501)	1,2-Di-chloro-ethane, water, unfltrd, 0.7u GF µg/L (34536)	1,2-Di-chloro-propane, water, unfltrd, 0.7u GF µg/L (32103)	1,2-Di-chloro-propane, water, unfltrd, 0.7u GF µg/L (34541)	1,3-Di-chloro-benzene, water, unfltrd, 0.7u GF µg/L (34566)	1,4-Di-chloro-benzene, water, unfltrd, 0.7u GF µg/L (34571)	Benzene, water, unfltrd, 0.7u GF µg/L (34030)	Bromodichloro-methane, water, unfltrd, 0.7u GF µg/L (32101)	Tri-bromo-methane, water, unfltrd, 0.7u GF µg/L (32104)	cis-Chloro-benzene, water, unfltrd, 0.7u GF µg/L (34301)	
Jul 22...		<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 12 of 13

[Remark codes: &lt;, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Di-bromo-	Di-chloro-	Di-chloro-	Di-ethyl	Diisopropyl	Ethyl-benzene	tert-pentyl	meta-+ para-	o-Xylene,	Styrene	t-Butyl	Methyl	Tetra-	
	chloro-methane water, unfltrd	chloro-fluoro-methane methane wat unf	chloro-methane water, unfltrd	ether, unfltrd	water, unfltrd	ethyl ether, unfltrd	chloro-ethene, water, unfltrd							
	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)	
Jul 22...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.2	<.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 13 of 13

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Date	trans-1,2-Di-chloro-		Tri-chloro-fluoro-		Tri-chloro-methane		Vinyl chloride,	Di-chlorovos,	Alpha radioac	Alpha radioac	Beta radioac	Beta radioac
	Tetra-chloro-methane	Toluene	ethene, unfltrd	ethene, unfltrd	methane unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	30 day, Th-230,	72 hr, Th-230,	30 day, Cs-137,	72 hr, Cs-137,
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	µg/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jul 22...	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.01	R-.2	R1.8	1.6	2.0